

Vaccine ingredients and allergy information

Vaccines contain a variety of ingredients such as lipids, sugars, and salts; see additional information below



You should not receive the vaccine if...

You have had a severe allergic reaction after a previous dose of this vaccine or to any ingredient of this vaccine, particularly polysorbate or polyethylene glycol



If you have questions or concerns...

Talk to your medical provider before getting this vaccine with any questions regarding adverse reactions given your medical conditions, including allergies to any of the vaccine ingredients as listed at right, or if you have had severe reactions to other vaccines in the past



The Janssen (J&J) COVID-19 Vaccine contains the following ingredients¹

- Recombinant
- Replication-incompetent adenovirus type 26 expressing the SARS-CoV-2 spike protein
- Citric acid monohydrate
- Trisodium citrate dihydrate
- Ethanol
- 2-hydroxypropyl-β-cyclodextrin (HBCD)
- Polysorbate-80
- Sodium chloride

The Moderna COVID-19 Vaccine contains the following ingredients²

- Messenger ribonucleic acid (mRNA)
- Tromethamine
- Tromethamine hydrochloride
- Acetic acid
- Sodium acetate
- Sucrose
- Lipids: SM-102, polyethylene glycol [PEG] 2000 dimyristoyl glycerol [DMG], cholesterol, and 1,2-distearoyl-sn-glycero-3-phosphocholine [DSPC]

The Pfizer-BioNTech COVID-19 Vaccine includes the following ingredients³

- mRNA
- Potassium chloride
- Monobasic potassium phosphate
- Sodium chloride
- Dibasic sodium phosphate dihydrate
- Sucrose
- Lipids: (4-hydroxybutyl)azanediylbis(hexane-6,1-diyl)bis(2-hexyldecanoate), 2 [(polyethylene glycol)-2000]-N,N-ditetradecylacetamide, 1,2-Distearoyl-sn-glycero-3-phosphocholine, and cholesterol

1. Janssen (J&J) EUA fact sheet (<https://www.fda.gov/media/146305/download>) and EUA information page (<https://www.janssencovid19vaccine.com/>); 2. Moderna EUA information (<https://www.modernatx.com/covid19vaccine-eua/recipient/moderna-vaccine>) and EUA fact sheet (<https://www.modernatx.com/covid19vaccine-eua/eua-fact-sheet-recipient.pdf>); 3. Pfizer general vaccine information (<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/different-vaccines/Pfizer-BioNTech.html>) and EUA fact sheet (<https://www.cvdvaccine-us.com/images/pdf/fact-sheet-for-recipients-and-caregivers.pdf>)